

ABSTRACT OF THE DISCLOSURE

The present invention is to provide a fuel injection system which can inject an appropriate amount of fuel from an electronically controlled fuel injection apparatus while returning vapor existing somewhere in the fuel passages, even in the condition that the fuel tank is disposed below the electronically controlled fuel injection apparatus.

In the present invention, a fuel tank 10 is disposed below an electronically controlled fuel injection apparatus 12. A fuel reservoir chamber 18 for supplying fuel from the fuel tank 10 is disposed above the electronically controlled fuel injection apparatus 12, and the fuel stored in the fuel reservoir chamber 18 is supplied to the electronically controlled fuel injection apparatus 12 via a fuel supply passage 24. The fuel reservoir chamber 18 and the fuel tank 10 are connected by a first fuel return passage 30 through which vapor is ejected and fuel in the fuel reservoir chamber overflows. A second fuel return passage 36 for returning surplus fuel from the electronically controlled fuel injection apparatus 12 is connected to either of the fuel reservoir chamber 18 and the first fuel return passage 30 at the position above the connecting position of the fuel reservoir chamber 18 and the first fuel return passage 30.